

Quincy Compressor

Compressed Air Filters QAF, QCF, QMF, & QPF

Model Sizes 25 - 1500

Technical Data Sheets

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Compressed air filters

QPF 25 - 1500

AML: Principal data

		QPF 25	QPF 50	QPF 75	QPF 100	QPF 175	QPF 300	QPF 400	QPF 550	QPF 750	QPF 1000	QPF 1500
Reference conditions												
1. Compressed air effective inlet pressure	bar	7	7	7	7	7	7	7	7	7	7	7
	psig	102	102	102	102	102	102	102	102	102	102	102
2. Ambient air temperature	°C	20	20	20	20	20	20	20	20	20	20	20
	°F	68	68	68	68	68	68	68	68	68	68	68
3. Compressed air inlet temperature	°C	20	20	20	20	20	20	20	20	20	20	20
	°F	68	68	68	68	68	68	68	68	68	68	68
Limitations for operations												
1. Maximum compressed air effective inlet pressure	bar	16	16	16	16	16	16	16	16	16	16	16
	psi	232	232	232	232	232	232	232	232	232	232	232
2. Minimum compressed air effective inlet pressure	bar	1	1	1	1	1	1	1	1	1	1	1
	psi	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
3. Maximum ambient air temperature	°C	66	66	66	66	66	66	66	66	66	66	66
	°F	151	151	151	151	151	151	151	151	151	151	151
4. Minimum ambient air temperature	°C	1	1	1	1	1	1	1	1	1	1	1
	°F	34	34	34	34	34	34	34	34	34	34	34
5. Maximum compressed air inlet temperature	°C	66	66	66	66	66	66	66	66	66	66	66
	°F	151	151	151	151	151	151	151	151	151	151	151
6. Minimum compressed air inlet temperature	°C	1	1	1	1	1	1	1	1	1	1	1
	°F	34	34	34	34	34	34	34	34	34	34	34
Performance data 1)												
1. Nominal volume flow at filter inlet	l/s	12	24	35	47	83	142	189	260	354	472	708
	cfm	25	50	75	100	175	300	400	550	750	1000	1500
2. Initial pressure drop over filter when dry	mbar	85	85	85	85	85	85	85	85	85	85	85
	psi	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
3. Initial pressure drop over filter when wet	mbar	115	115	115	115	115	115	115	115	115	115	115
	psi	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
4. Maximum oil carryover	mg/m3	1	1	1	1	1	1	1	1	1	1	1

Design data			QPF 25	QPF 50	QPF 75	QPF 100	QPF 175	QPF 300	QPF 400	QPF 550	QPF 750	QPF 1000	QPF 1500	
1. Number of filter elements			1	1	1	1	1	1	1	1	1	1	1	
2. Dimension of inlet and outlet connections:			ANSI	3/8"	1/2"	1/2"	3/4"	1"	1 1/2"	1 1/2"	1 1/2"	2 1/2"	3"	3"
3. Net weight			kg	1	1.1	1.3	1.9	2.1	4.2	4.5	4.6	6.9	11	12.6
			lb	2.2	2.4	2.9	4.2	4.6	9.3	9.9	10	15.2	24.3	27.8
4. Shipping dimensions														
- length			mm	417	417	417	436	436	630	630	630	720	820	990
			in	16	16	16	17	17	25	25	25	28	32	39
- width			mm	106	106	106	148	148	180	180	180	212	240	240
			in	4	4	4	6	6	7	7	7	8	9	9
- height			mm	96	96	96	121	121	152	152	152	190	230	230
			in	4	4	4	5	5	6	6	6	7	9	9
1) at reference conditions, unless otherwise stated and according to ISO 1217, third edition, annex C														
2) referred to an absolute pressure of 1 bar/14.5 psia and temperature of 20°C/68°F														
3) according to ISO 8573-1 in a typical installation														

Correction factors

Working pressure	bar	1	2	3	4	5	6
	psi	14.5	29	43.5	58	72.5	87
Correction factor		0.38	0.53	0.65	0.75	0.83	0.92

Working pressure	bar	7	8	10	12	14	16
	psi	101.5	116	145	174	203	232
Correction factor		1	1.06	1.2	1.31	1.41	1.5



Compressed air filters

QCF 25 - 1500

AML: Principal data

		QCF 25	QCF 50	QCF 75	QCF 100	QCF 175	QCF 300	QCF 400	QCF 550	QCF 750	QCF 1000	QCF 1500
Reference conditions												
1. Compressed air effective inlet pressure	bar	7	7	7	7	7	7	7	7	7	7	7
	psig	102	102	102	102	102	102	102	102	102	102	102
2. Ambient air temperature	°C	20	20	20	20	20	20	20	20	20	20	20
	°F	68	68	68	68	68	68	68	68	68	68	68
3. Compressed air inlet temperature	°C	20	20	20	20	20	20	20	20	20	20	20
	°F	68	68	68	68	68	68	68	68	68	68	68

Limitations for operations

1. Maximum compressed air effective inlet pressure	bar	16	16	16	16	16	16	16	16	16	16	16
	psi	232	232	232	232	232	232	232	232	232	232	232
2. Minimum compressed air effective inlet pressure	bar	1	1	1	1	1	1	1	1	1	1	1
	psi	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
3. Maximum ambient air temperature	°C	66	66	66	66	66	66	66	66	66	66	66
	°F	151	151	151	151	151	151	151	151	151	151	151
4. Minimum ambient air temperature	°C	1	1	1	1	1	1	1	1	1	1	1
	°F	34	34	34	34	34	34	34	34	34	34	34
5. Maximum compressed air inlet temperature	°C	66	66	66	66	66	66	66	66	66	66	66
	°F	151	151	151	151	151	151	151	151	151	151	151
6. Minimum compressed air inlet temperature	°C	1	1	1	1	1	1	1	1	1	1	1
	°F	34	34	34	34	34	34	34	34	34	34	34

Performance data 1)

1. Nominal volume flow at filter inlet	l/s	12	24	35	47	83	142	189	260	354	472	708
	cfm	25	50	75	100	175	300	400	550	750	1000	1500
2. Initial pressure drop over filter when dry	mbar	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	psi	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Initial pressure drop over filter when wet	mbar	240	240	240	240	240	240	240	240	240	240	240
	psi	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48
4. Maximum oil carryover	mg/m3	0.01		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Design data		QCF 25	QCF 50	QCF 75	QCF 100	QCF 175	QCF 300	QCF 400	QCF 550	QCF 750	QCF 1000	QCF 1500
1. Number of filter elements		1	1	1	1	1	1	1	1	1	1	1
2. Dimension of inlet and outlet connections:	ANSI	3/8"	1/2"	1/2"	3/4"	1"	1 1/2"	1 1/2"	1 1/2"	2 1/2"	3"	3"
3. Net weight	kg	1	1.1	1.3	1.9	2.1	4.2	4.5	4.6	6.9	11	12.6
	lb	2.2	2.4	2.9	4.2	4.6	9.3	9.9	10	15.2	24.3	27.8
4. Shipping dimensions												
- length	mm	417	417	417	436	436	630	630	630	720	820	990
	in	16	16	16	17	17	25	25	25	28	32	39
- width	mm	106	106	106	148	148	180	180	180	212	240	240
	in	4	4	4	6	6	7	7	7	8	9	9
- height	mm	96	96	96	121	121	152	152	152	190	230	230
	in	4	4	4	5	5	6	6	6	7	9	9
1) at reference conditions, unless otherwise stated and according to ISO 1217, third edition, annex C												
2) referred to an absolute pressure of 1 bar/14.5 psia and temperature of 20°C/68°F												
3) according to ISO 8573-1 in a typical installation												

Correction factors

Working pressure	bar	1	2	3	4	5	6
	psi	14.5	29	43.5	58	72.5	87
Correction factor		0.38	0.53	0.65	0.75	0.83	0.92

Working pressure	bar	7	8	10	12	14	16
	psi	101.5	116	145	174	203	232
Correction factor		1	1.06	1.2	1.31	1.41	1.5

Compressed air filters

QMF 25 - 1500

AML: Principal data

		QMF 25	QMF 50	QMF 75	QMF 100	QMF 175	QMF 300	QMF 400	QMF 550	QMF 750	QMF 1000	QMF 1500
Reference conditions												
1. Compressed air effective inlet pressure	bar	7	7	7	7	7	7	7	7	7	7	7
	psig	102	102	102	102	102	102	102	102	102	102	102
2. Ambient air temperature	°C	20	20	20	20	20	20	20	20	20	20	20
	°F	68	68	68	68	68	68	68	68	68	68	68
3. Compressed air inlet temperature	°C	20	20	20	20	20	20	20	20	20	20	20
	°F	68	68	68	68	68	68	68	68	68	68	68

Limitations for operations

1. Maximum compressed air effective inlet pressure	bar	16	16	16	16	16	16	16	16	16	16	16
	psi	232	232	232	232	232	232	232	232	232	232	232
2. Minimum compressed air effective inlet pressure	bar	1	1	1	1	1	1	1	1	1	1	1
	psi	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
3. Maximum ambient air temperature	°C	66	66	66	66	66	66	66	66	66	66	66
	°F	151	151	151	151	151	151	151	151	151	151	151
4. Minimum ambient air temperature	°C	1	1	1	1	1	1	1	1	1	1	1
	°F	34	34	34	34	34	34	34	34	34	34	34
5. Maximum compressed air inlet temperature	°C	66	66	66	66	66	66	66	66	66	66	66
	°F	151	151	151	151	151	151	151	151	151	151	151
6. Minimum compressed air inlet temperature	°C	1	1	1	1	1	1	1	1	1	1	1
	°F	34	34	34	34	34	34	34	34	34	34	34

Performance data 1)

1. Nominal volume flow at filter inlet	l/s	12	24	35	47	83	142	189	260	354	472	708
	cfm	25	50	75	100	175	300	400	550	750	1000	1500
2. Initial pressure drop over filter when dry	mbar	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	psi	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Initial pressure drop over filter when wet	mbar	205	205	205	205	205	205	205	205	205	205	205
	psi	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97
4. Maximum oil carover	mg/m3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Design data			QMF 25	QMF 50	QMF 75	QMF 100	QMF 175	QMF 300	QMF 400	QMF 550	QMF 750	QMF 1000	QMF 1500
1. Number of filter elements			1	1	1	1	1	1	1	1	1	1	1
2. Dimension of inlet and outlet connections:	ANSI		3/8"	1/2"	1/2"	3/4"	1"	1 1/2"	1 1/2"	1 1/2"	2 1/2"	3"	3"
3. Net weight	kg		1	1.1	1.3	1.9	2.1	4.2	4.5	4.6	6.9	11	12.6
	lb		2.2	2.4	2.9	4.2	4.6	9.3	9.9	10	15.2	24.3	27.8
4. Shipping dimensions													
- length	mm		417	417	417	436	436	630	630	630	720	820	990
	in		16	16	16	17	17	25	25	25	28	32	39
- width	mm		106	106	106	148	148	180	180	180	212	240	240
	in		4	4	4	6	6	7	7	7	8	9	9
- height	mm		96	96	96	121	121	152	152	152	190	230	230
	in		4	4	4	5	5	6	6	6	7	9	9
1) at reference conditions, unless otherwise stated and according to ISO 1217, third edition, annex C													
2) referred to an absolute pressure of 1 bar/14.5 psia and temperature of 20°C/68°F													
3) according to ISO 8573-1 in a typical installation													

Correction factors

Working pressure	bar	1	2	3	4	5	6
	psi	14.5	29	43.5	58	72.5	87
Correction factor		0.38	0.53	0.65	0.75	0.83	0.92

Working pressure	bar	7	8	10	12	14	16
	psi	101.5	116	145	174	203	232
Correction factor		1	1.06	1.2	1.31	1.41	1.5



Compressed air filters

QAF 25 - 1500

AML: Principal data

		QAF 25	QAF 50	QAF 75	QAF 100	QAF 175	QAF 300	QAF 400	QAF 550	QAF 750	QAF 1000	QAF 1500
Reference conditions												
1. Compressed air effective inlet pressure	bar	7	7	7	7	7	7	7	7	7	7	7
	psig	102	102	102	102	102	102	102	102	102	102	102
2. Ambient air temperature	°C	20	20	20	20	20	20	20	20	20	20	20
	°F	68	68	68	68	68	68	68	68	68	68	68
3. Compressed air inlet temperature	°C	20	20	20	20	20	20	20	20	20	20	20
	°F	68	68	68	68	68	68	68	68	68	68	68
Limitations for operations												
1. Maximum compressed air effective inlet pressure	bar	16	16	16	16	16	16	16	16	16	16	16
	psi	232	232	232	232	232	232	232	232	232	232	232
2. Minimum compressed air effective inlet pressure	bar	1	1	1	1	1	1	1	1	1	1	1
	psi	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
3. Maximum ambient air temperature	°C	35	35	35	35	35	35	35	35	35	35	35
	°F	95	95	95	95	95	95	95	95	95	95	95
4. Minimum ambient air temperature	°C	1	1	1	1	1	1	1	1	1	1	1
	°F	34	34	34	34	34	34	34	34	34	34	34
5. Maximum compressed air inlet temperature	°C	35	35	35	35	35	35	35	35	35	35	35
	°F	95	95	95	95	95	95	95	95	95	95	95
6. Minimum compressed air inlet temperature	°C	1	1	1	1	1	1	1	1	1	1	1
	°F	34	34	34	34	34	34	34	34	34	34	34
Performance data 1)												
1. Nominal volume flow at filter inlet	l/s	12	24	35	47	83	142	189	260	354	472	708
	cfm	25	50	75	100	175	300	400	550	750	1000	1500
2. Initial pressure drop over filter when dry	mbar	180	180	180	180	180	180	180	180	180	180	180
	psi	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61
3. Initial pressure drop over filter when wet	bar	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	psi	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4. Maximum oil carover	mg/m3	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003

Design data		QAF 25	QAF 50	QAF 75	QAF 100	QAF 175	QAF 300	QAF 400	QAF 550	QAF 750	QAF 1000	QAF 1500	
1. Number of filter elements		1	1	1	1	1	1	1	1	1	1	1	
2. Dimension of inlet and outlet connections:		ANSI											
3. Net weight		kg	1	1.1	1.3	1.9	2.1	4.2	4.5	4.6	6.9	11	12.6
		lb	2.2	2.4	2.9	4.2	4.6	9.3	9.9	10	15.2	24.3	27.8
4. Shipping dimensions													
- length	mm	417	417	417	436	436	630	630	630	720	820	990	
	in	16	16	16	17	17	25	25	25	28	32	39	
- width	mm	106	106	106	148	148	180	180	180	212	240	240	
	in	4	4	4	6	6	7	7	7	8	9	9	
- height	mm	96	96	96	121	121	152	152	152	190	230	230	
	in	4	4	4	5	5	6	6	6	7	9	9	
1) at reference conditions, unless otherwise stated and according to ISO 1217, third edition, annex C													
2) referred to an absolute pressure of 1 bar/14.5 psia and temperature of 20°C/68°F													
3) according to ISO 8573-1 in a typical installation													

Correction factors

Working pressure	bar	1	2	3	4	5	6
	psi	14.5	29	43.5	58	72.5	87
Correction factor		0.38	0.53	0.65	0.75	0.83	0.92

Working pressure	bar	7	8	10	12	14	16
	psi	101.5	116	145	174	203	232
Correction factor		1	1.06	1.2	1.31	1.41	1.5

